

An Attempt at Re-Arranging the Genus Diplogaster
Schulze, 1857 (Nematoda), by Irmgard Weingartner.

GERMAN, per, Zoologische Jahrbucher Abt. fur
Systematik, Okologie und Geographie der Tiere,
Vol LXXXIII, 1955, pp 248-317.

NCR/C/-3681

Sci
Dec 62

B-6608-D

9 Feb 1966

Beit. zur Biologie der einheimischen Lampyriden
Lampyris noctiluca Geoffr. und *Phanero splendens*
Lec. und experimentelle analyse ihres leuchtungs- und
Sammelverhaltens

By: Hans Helmut Schwalb

From: ZOOL. JB. SYST. 88: 399-550, 1961 (152 pp)

German - est for wds:

Type 1 camera ready copy. Document may be cut.

Small Central-European Mammals as Hosts of the
Tick Ixodes Ricinus L., ~~MYOEX~~ by D. Rosicky,
V. Cerny, 15 pp.

CZECH, per, Zoologické Listy, Vol III, No 1, 18
1954, pp 37-~~46~~.
4

SLA 60-14300

Sci
Jan 62

178,275

A Case of Introduction of *Hyalomma Plumbum* (Panz)
1795 (Ixodidae) by Birds into the Territory of
CSR, by V. Cerny, F. Balat, 3 pp.

CZECH, per, Zoologické Listy, Vol XX, No 1, 1957,
pp 81-83.

SIA 59-15895

Sci
Dec 59
Vol 2, No 5

103,545

English Title Unknown, by V. Novak. *13pp*
SERBO-CROATIAN, per, Zoologicke Listy,
Vol 9(23), No 4, 1960, pp 309-322.
*CFSTI TT 68-50105

Sci/B&M
Nov 68

Grimpe, G.

1925

A study of the cephalopod fauna of the North Sea (Zur Kenntnis der Cephalopodenfauna der Nordsee)

Aus der Biologischen Anstalt auf Helgoland und dem Zoologischen Institut der Universität Leipzig, 16(3): 21-27. In German.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for FRBC Biological Station, St. John's Nfld., 1972, as Transl. Series No. 2072, 21p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *MP*

Some Observations Concerning Attacks
of Mosquitoes *Aedes Voxans* on Young D
Ducklings in the Nest, by K. Hudec.
EZECl, per, Zool Listy, Vol 9, No 243
1960, pp 265-268.
NIH 3-4-65

Sci-Biol & Med Sci
May 65

278,665

Development of the Tick Haemaphysalis
Concinna in Natural Conditions of Southern
Moravia (Czechoslovakia), by V. Cerny, et al.
CZECH, per, Zool Listy, Vol 12, No 3, 1963,
pp 259-261.
HEW NIH 12-29-65 (On Loan)

EE-Czech
Sci/BQM
Mar 66

297,138

Contribution to the Comparative Physiology
of Digestion. I The Digestion of the Larvae
of Tenebrio Molitor, by F. Schenck.

GERMAN, per, Zool Zentr, Vol VI, 1899, p 65-67.

SLA INSDOC T1724

Sci

Jul 56

63,619

Babies - Lyssa, by Blatt, Hoffman, and Schneider,
36 pp.

BUTCH, bk. Zoonoses by J. van der Hoeden, 1946,
pp 233-245.

CIA/FDD/X-503

NRH

Scientific - Medicine

14,795

Psittacosis, by L. Bory. 18 pp.

DUICH, Zoonoses by J. van der Hoeden 1946,
pp 240-257.

CIA/TDD/X-500

Scientific - Medicine

15,812

Trypanosomiasis, by E. Brumpt, 6 pp.

DUTCH, Zoonoses by J. van der Hoeden, 1946,
pp 305-307.

CIA/FDD/X-566

Scientific - Medicine

16,697

The Field of Action of Rickettsias is Expanded From
Day to Day in Human and Animal Pathology, by H. Donis,
61 pp.

1946, Zoonoses by J. Vander Hoeden, 1946, pp 317, 327.

CIA/PDD/X-560

Scientific - Medicine

14,703

Scabies, by L. Bory, 11 pp.

Full translation.

DUTCH, ¹³¹~~per~~ Zoonoses, by J. van der Hoeden, 1946,
pp 391-396.

CIA/FDD/X-1038

Scientific - Medicine. Aug 53 CTS/DEX

4665

Linguatula Serrata (L. Rhinaria), 3 pp.

Full translation.

DUTCH, per, ^{15k} Zoonoses by J. van der Hoeden, 1946,
pp 397-398.

CIA/FDD/X-1036

Scientific -Medicine Aug 53 CTS/DEK

4671

Contribution to the knowledge of the disease
Muscular Dystrophy of Young Onset, by G. Roncati,
L. Tassi, 15 pp.

ITALIAN, per, Zooprofilassi, No 4, 1949,
pp 127-135.

NIH Tr 7-16

57-2013

Sol - Biol; Med
Aug 57

50,819

R-3952-D/a

The Function of the Complement With Experimental Anthrax
Infections, by Aldo Ceccarelli.
ITALIAN, per, Zooprofilassi Rivista Mensile di Scienze e
Tecnica Veterinaria, Vol II, No 12, 1947, pp 341-346.

*JPRS/Army Biol Lab

Sci-Biol & Med ESci
March 64

R-6141-D

Biosynteza Kwasnych Mukopolisacharydow Tkanki
Lacznej, by Kawiak.
POLISH, per, Zostep Biochemii, Vol X, 1964,
pp 143-151.

*JPRS

Nov 65

Determination of the Number of Measurements for the
Achievement of a Required Accuracy, by J. Tomovaky, 5 pp.
CZECH, per, Zpravodaj Vyzkumny a Zkusebni Letecky
Ustav, Vol I, 1961, pp 3-4. 9691146 ✓

DDO RSIC-113

Sci - Phys
Feby 64

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Criteria of Longitudinal Stability of Aircraft,
by Vlastimil Pokorny, 18 pp.

CZECH, per, Zpravodaj Vzlu, No 2, 1961, pp 27-33.
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FTD-TT-62-915

X Sci - Aero
Sep 62

211, 074

Two-Dimensional Recirculation Flow of Viscous
Fluid, by Pavel Jonas. 66 pp.
CZECH, rpt, Zprava Vzlu, 1962, pp 1-31.
AIR/FTD/HC-23-56-70

Sci-Phys
Sep 70

Transactions of the Research and Experimental
Flight Institute: Conference on the
Fabrication of Turbine Blades. Part I:
Fundamentals of Design, Materials and
Machining, 170 pp.

CZECH, rpt. Zpravodaj VZLU: Konference o
Vyrobu Lopatek. I. Cast: Zakladni
Pozadavky na Tvar, Material a Opracovani
Lopatek, No 1(37), 1963, pp 2-64. 9698006
FTD-TT-64-304

Sci - Engr
Sept 65

288,570

Beryllium and Its Alloys in Avia
Industry, by K. Straka, 22 pp.
CZEGI, per, Zpravody Vzlu Konference
O Vyrobu Lopatek. Vyzkumny a Zkusebni
Letecky Ustav, No 5, 1963, pp 39-45.
9698364
FTD-TT-64-1027

Sci - M?m
Nov 65

290,146

Smoothing of Experimental Data, by G. Kropac.
CZECH, pos, Experimental Value, No 1, 1964,
pp 49, 50.
NASA TT P-9411

Sci-Math/DP

Aug 65

U.S. GOVERNMENT ONLY

286,321

Tests of Cascades at Transonic Speeds, by V. Strach.

11 pp.

CZECH, per, Zpravodaj Vzlu, Vol 2, No 44, 1964,

pp 21-24.

AIR/FTD/HT-23-810-70

April 71

Simple Design for a Position Servo System With
Viscous Damping by a Tachogenerator, by
J. Holsa.
CZECH, per. ~~servo~~ ALVZLJ, No 2, 1964, pp 31-34.
NASA TT P-9398

Sci-Electr

Aug 65

U.S. GOVERNMENT ONLY

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NY-13387
19 August 1966

Technology of the Honeycomb Core Production, by Bedrich
Stehner and Josef Rykr, pp 39-47

Zpravodaj VZLU (Vyskumny a Prasebni Lotocky Ustav, No 5,
Probably Prague, Probably May 1964

Czech

RE/M11

Special Type B - Translator's Draft plus 1

Copyright cannot be determined

Comp

The Effect of the Condition of the Surface
Layers on the Characteristics of the Refrac-
tory Alloys EI 437 and EI 617, by J.
Havlicek.
CZECH, per, Zpravodla VZLU, No 6, pp 45-49,
1964
NASA TT F-9507

Sci-M&M
Nov 65

291,691

Smoothing of Experimental Data
by Means of Orthogonal Sets of Functions
Using Statistical Tests of Significance,
by O. Kropac.

CZEQ1, per, Zprava UZLU, Z-5 1964, 60 p.
*NASA TT F-9538

Sci

Nov 65

640

U. S. Government Use Only

Measuring the Pressure Loss in Flow
Engine Combustion Chambers, by O. Schurek.
~~POSSIBLY~~, per, Zpravodaj Vyskumny a Zkusebni
Letecky Ustav Lotnany, Vol IV, No 46,
1964, pp 39-42.
*FTD-TT-66-577

Sci - Prop & Fuels
Sept 66

Forest Economy in the USSR, 21 pp.

CZECH, per, Zpravy Vuh - Vedeckeho Ustavu Lesního
Hospodarství, 1955, ENCI to IN 1607-57, AF01N-1A1.

AF 1120317

USSR

Econ - Soil, statistics

Sep 1957

51,921

(FDD 26581)

SOURCES of Reduced Real Costs in the Chemical Industry
(XI Poland), by Michal Miesiolowski, W. Brud, 130 pp.

POLISH, mono, Zrodla Chemiczki Kosztow Wlasnych w
Przemysle Chemicznym, Warsaw, 1955, pp 2-94.

CIA/FDD/U-8020

ESur - Poland
Econ - Chemical industry

Apr 56

33, 412

Method of Making Infrared Photographs With the
Aid of Luminophors, 3 pp.
CZECH, rpt, Zrusov Porizovan Fotografickych Snimku
v Oblasti Infracerveneho Zarení Pomoci.
ACSI I-6422
ID 2204000765

Sci - Phys
Mar 65

276,983

English title unknown, by Georg Arndt, 30 pp.
GERMAN, per. Ztsch Orthop, 1947, pp 121-144.
ACSI-K-2830

Jul 72

62-22741

Sengbusch, R. V.
THE CULTURE OF NICOTINE-FREE AND NICOTINE-
POOR TOBACCO. [1962] 15p.
Order from K-H \$18.75 K-H 5389-b

Trans. of der Züchter (Germany) 1931, v. 3, no. 2,
p. 33-38.

DESCRIPTORS: *Tobacco, *Nicotine, Agriculture.

- I. Sengbusch, R. V.
- II. K-H-5389-b
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

(Biological Sciences--Biochemistry, TT. v. 9, no. 2)

Office of Technical Services

"A Case of Multiple Chimera Formation in the Apple",
by Martin Schmidt, 6 pp.

Full translation.

GERMAN, per, Der Zuchter, Vol XIV, 1942, pp 112-117.

S.L.A.

Scientific - Biological

27,274

Aug 55

Contribution to the Study of Apple Breeding. Phenological and Genetic Studies on the Heredity of Apple Varieties, by Martin Schmidt, 8 pp.

Full translation.

GERMAN, per, Der Zuchter, Vol XVII/XVIII, 1947, pp 161-223.

S.L.A.

Scientific - Biological

27,275

Aug 55

The Inheritance of Early Blooming of Scotch Pine,
by O. von Schroeck, 28 pp.

GERMAN, per, der Zuchter, Vol XIII, No 8/9, 1949,
pp 247-254.

SIA 59-15464

Sci
Dec 59
Vol 2, No 5

103,543

Studies of the Sulphur Metabolism of the Ruminant,
by J. Landis.
GERMAN, per, Z Tierphysiol Tierernahr Futtermittelk.
Vol 18, 1963,
pp 357-370.
CSIRO/9621
Vol 17, No 3, 1969

July 69

385-137

Contributions to Breeding Research in Apples. II.
Morphological-Pomological Studies of F_1 -Seedlings
From the Crossing of a Domestic Variety With
Malus Niedzwetzkyana, by M. Schmidt, 13 pp.

GERMAN, per, Züchter, Vol XXIII, No 10/11,
1952, pp 327-334.

SLA Tr 2069

50, 810

Sci - Biol
Jul 57

Projects for Obtaining Frost Resistant Varieties
of Tomatoes, by J. Becker-Dillingen, T. Barg,
8 pp.

GERMAN, per, Zuechter, Vol XXIV, pp 252-255.

SLA Tr 57-707

Sci - Biology
Sep 57

52,919

Investigations on Root Growth of Varieties
and Species of Cereals Under Different
Growing Conditions, by W. Heutrich.

GERMAN, per, Der Zuechter, Vol 36, No 1,
1966, pp 25-36.

NLL Ref: 5828.4F (12887)

Sci-Agri
Jan 69

373,596

Clausen, Hjalmar.
THE FEEDING TESTS AND THEIR SUCCESS IN RE-
SPECT TO FEED EFFICIENCY AND TYPE DEVEL-
OPMENT OF THE DANISH SWINE (Die Mastleis-
tungsprüfungen und deren Erfolg für die Futterver-
wertung und die Typmäßige Entwicklung der Dänischen
Schweinerasse). [1963] [13p]
Order from SLA \$1.60

TT-64-10004

Trans. of Zuchtungskunde (West Germany) 1951, v. 22,
p. 204-215.

DESCRIPTORS: *Feeding, *Swine, Nutrition, Tests,
Growth (Physiology)

(Agriculture--Animal Husbandry, TT, v. 11, no. 9)

TT-64-10004

L. Clausen, H.

Office of Technical Services

Herzel, Hans-Joachim.
INVESTIGATIONS OF INDIVIDUAL AND FAMILY
DIFFERENCES IN SEMEN QUALITY IN BULLS OF A
WURTEMBERG SPOTTED CATTLE BREEDING AS-
SOCIATION (Untersuchungen der Individuellen und
Familiären Unterschiede der Spermaqualität bei Bullen
eines Württembergischen Fleckviehzuchtverbandes).
[1963] 32p Srafts
Order from SLA \$3.60

TT-64-10029

TT-64-10029

1. Title: Semen
2. Title: Individual differences
- I. Herzel, H. -J.

Trans. of Zuchtungskunde (West Germany) 1952, v. 23,
no. 4, p. 141-150. (Abstract available)

DESCRIPTORS: *Genetics, *Cattle, *Spermatogenesis,
Gametes, Environment, Reproduction,

One to 4 ejaculates of 38 Spotted Cattle bulls from three
bull lines of Spotted Cattle Breeding Associations of
Herrenberg in Württemberg were studied twice in an
interval of five months. The semen tests which were
(Agriculture--Animal Husbandry, TT, v. 11, no. 9)
(over)

Office of Technical Services

TT-64-10040

Richter, K., Cranz, K. L., and Lezius, G.
THE ACTION OF APP-SUPPLEMENTS IN SWINE
FATTENING (Über die Wirkung von APP-Beigaben in
der Schweinemast). [1963] [26p] 1ref
Order from SLA \$2.60

TT-64-10040

Trans. of Züchtungskunde (West Germany) 1952,
v. 23, no. 6, p. 263-273.

DESCRIPTORS: *Swine, *Nutrition, Diet, Food,
*Proteins, Vitamin B complex,

- I. Title: APP supplement
- I. Richter, K.
- II. Cranz, K. L.
- III. Lezius, G.

(Agriculture--Animal Husbandry, TT, v. 11, no. 5)

Office of Technical Services

Congenital Hairlessness in Calves, by A.
Schott.

GERMAN, per, Zuchtungskunde, Vol XXVIII,
1956, pp 333-338.

CSIRO 3707 .

Sci - Biol
Aug 62

207,226

A New Expedient for Judging the Fleshiness
of Live Animals, by H. Gravert.

GERMAN, per, Zuchtungskunde, Vol XXVIII,
1956, pp 423-425.

CSIRO 37036

Sci - Biol
Aug 62

207,479

Hoffmann, Hans-Joachim.
DRYING AND COOLING OF SUGAR IN PNEUMATIC
CONVEYING TUBES. 28 Nov 58, 19p. (figs. omitted)
9 refs.

Order from SLA \$1.60

63-14861

Trans. of Zucker (West Germany) 1963, v. 6,
p. 126-133.

DESCRIPTORS: *Dehydration, *Cooling, *Carbohy-
drates, Pneumatic devices, Conveyors, Manufacturing
methods, Food

(Food, TT, v. 10, no. 4)

63-14861

I. Hoffmann, H. -J.

Office of Technical Services

63-14860

Emmerich, A.
BLOWING AIR THROUGH CRYSTAL SUGAR
LAYERS. 28 Nov 58, 6p. (figs. omitted).
Order from SLA \$1.60 63-14860

Trans. of Zucker (West Germany) 1954, v. 7,
p. 309-311.

DESCRIPTORS: *Carbohydrates, Storage, *Silos,
*Ventilation, *Blowers, Gas flow, Crystals, Powders.

(Food, TT, v. 10, no. 4)

I. Emmerich, A.

Office of Technical Services

Further Confirmation on a Previously Described
Case of Multiple Chimera Formation. Verzárka
and Schmidt, Chimera Formation in the
Hydra, by Verzárka Schmidt, 4 pp.

GERMAN, per, Der Zuchter, Vol XXX, 1954,
pp 295-306.

G.L.A. Tr 764/1956

Sci - Biology
Oct 56 CTS

39,828

A Paper Chromatographic Method for Serial
Experiments in Plant Breeding, by W. Matthias.

GERMAN, per, Zuchter, Vol XXIV, 1954, pp 313-
316.

9
INSDOC-1847

Sci
Apr 59

84, 222

Questions of Development of Apple Tree Frame Structure,
by E. Kemmer, I. Thiele, 14 pp.

GERMAN, per, Der Zuechter, Vol XXIV, 1954, pp 346-
352.

SIA 57-46 2569

Jul 58

70.019

Sugar Classification. Recent Advances in
Sugar Sieving Techniques, by P. Bruning-
hans, E. Thielepape.

GERMAN, per, Zucker, Vol VIII, 1955,
pp 31-34.

CSIRO

Sci - Biol
Jun 62

199,375

Investigations on the Frost Resistance of
the Fruit Woods in the Nursery Stage, by
H. Karmatz.

GERMAN, per, Zuchter, Vol XXVI, No 10,
1956, pp 307-315.

NRC/Ref: C-4008

Sci-Agri
May 63

234,398

Tetraploids of *Triticum Monococcum* L., by
T. Rajhathy, 19 p.

GERMAN, per, der Zuchter, 1957, Vol XXVII, No 2,
pp 85-89.

SLA 59-20152

Sci
Mar 60
Vol 2, No 11

109,511

Experimental Production of Mutations in Chrysanthemum
Indicum by X-Rays, by H. Jank, 31 pp.

GERMAN, per, Der Zuchter, Vol XXVII, No 5, 1957,
pp 223-331. 9093325

AEC NP Tr-848

Sci - Biol
Apr 62

191,306

61-20506

Juler, Gösta.
ON THE EFFECT OF X-RAYING ON POA PRAT-
ENSIS (Über die Effekte der Röntgenbestrahlung bei
Poa Pratensis). [1961] [12]p. (5 illus. omitted).
Order from SLA \$1.60 61-20506

I. Julen, G.

Trans. of der Züchter (Germany) 1958, v. 28,
p. 37-40

DESCRIPTORS: *Grasses, X-rays, *Radiation effects,
*Mutations, Biology, Genetics, Reproduction, *Seeds.

(Biological Sciences--Botany, TT, v. 7, no. 4)

Office of Technical Services

61-20428

Bachteev, F. Ch.
NIKOLAJ IVANOVIC VAVILOV (11/26/1887-8/2/1942)
TO HIS 70TH BIRTHDAY (Nikolaj Ivanovic Vavilov
(26.11.1887-2.8.1942) zu seinem 70. Geburtstag).
[1961] [23]p. 3 refs.
Order from SLA \$2.60

61-20428

Trans. of the Academy (Germany) 1958, v. 28,
p. 161-166.

DESCRIPTORS: *Scientific personnel, *Agriculture,
*Plants, *Genetics.

(Agriculture--Plant Cultivation, TT, v. 7, no. 7)

I. Bachteev, F. C.
II. Vavilov, N. I.

Office of Technical Services

Investigation of the Transmission of an
Anatomical Feature in Crossings of Poplars of
of Different Sections, by K. Meyer-Uhlenried.

GERMAN, per, Der Zuchter, Vol XXVIII, No 5,
1958, pp 209-216.

CSIRO Tr-4227

Sci - Engr

118,533

Jun 60

61-20427

Müller, H. W. and Schilowa, I.

FERTILIZATION RESULTS AFTER ARTIFICIAL
POLLINATION IN RELATION TO THE AGE OF THE
SILKS AND STORAGE OF POLLEN AT DIFFERENT
TEMPERATURES AND HUMIDITIES [PT. 2] (II).

Befruchtungsergebnisse nach Künstlicher Bestäubung in
Abhängigkeit vom Narbenalter und der Pollen Lagerung
bei Verschiedener Temperatur und Luftfeuchtigkeit).

[17]p. 24 refs.

Order from SLA \$1.60

61-20427

Trans. of der Züchter (Germany) 1939, v. 29, no. 4,
p. 187-191.

DESCRIPTORS: *Pollen, *Plants, *Fertility, *Corn,
Agriculture, Temperature, Storage, Growth,
*Humidity, Age.

Results of the experiments carried out in the years
(Biological Sciences--Botany, TT, v. 7, no. 4) (over)

I. Müller, H. W.
II. Schilowa, I.

Office of Technical Services

Ratio of Transpiration to Assimilation as Physiological
Index, Determined on Poplar Clones, by J. Rusch.

GERMAN, per, Der Zuchter, Vol 29, No 8, 1959, pp
348-354.

CSIRO/No. 7233

Sci -

Jul 67

334,865

63-14392

1. Title: Spot method
1. Külle, G.

Külle, G.
USE OF THE SPOT METHOD ACCORDING TO KRAFT
IN PLANT BREEDING FOR NICOTINE DETERMINA-
TION IN GREEN TOBACCO PLANTS (Anwendung der
Tüpfelmethode nach Kraft in der Pflanzanzucht zur
Nikotinbestimmung in Grünen Tabakpflanzen). [1963]
[8p.]

Order from SLA \$1.10

63-14392

.. K-H#8.00

K-H/2900 a

Trans. of der Züchter (West Germany) [1961] v. 31,
no. 6, p. 263-265.

DESCRIPTORS: Chemical analysis, *Nicotine,
*Tobacco, Plants (Botany), Genetics, *Paper
chromatography.

The plants of 2 segregating generations were examined
for their nicotine content in the green with the spot
method, according to Kraft, and in dried condition with
the picrate method and the 2 nicotine values were com-
(Biological Sciences--Botany, TT, v. 10, no. 5) (over)

Office of Technical Services

Second Report on the Selection of Malus
Stocks and their Vegetative Reproducibility,
by G. Futh.

GERMAN, per, Zuchter, Vol XXXI, No 8, 1961,
pp 340-346.

NRC/C-4078

Sci-Biol
Aug 63

341,526

Resistance of Some Forage Legumes to Pseudopeziza
Species, by M. Schmiedeknecht.
GERMAN, per, Der Zuchter, Vol 34, No 2, 1964, pp
67-76.
CSIRO/No. 7440

Sci -
Aug 67

334,955

Polyallelic Crossing As a Testing Method for the
Productive Efficiency of Breeding Boars, by P. N.
Kudrjarvzev, 16 pp.

GERMAN, per, Zuchtungskunde, Vol IX, 1934, pp 444-452.

34,432

S.L.A. 230/1956

Scientific - Biology

Black and White Lowland Cows and Jersey Bulls.
Cross Breeding Experiments and Their Evaluation,
by Jonas Schmidt.

GERMAN, per, Zuchtungskunde, 1948, Vol XX,
pp 29-39.

USDA per
NC State College
SLA 60-10815

Witt, Max. THE MILKING MACHINE UDDER (Das Melkma- schinen-Euter). [1960] [21]p. Order from SLA m\$2.70, ph\$4.80	60-18024
Trans. of Züchtungskunde (West Germany) 1951, v. 23, p. 93-101:	1. Milking machines-- Physiological factors 1. Witt, M.
143,257	
(Agriculture--Animal Husbandry, TT, v. 5, no. 4)	Office of Technical Services

A Simple Method for Testing Antifoam Agents,
by G. Fischer. 10p.
GERMAN, per, Zucker, Vol 6, No 5, 1953,
pp 92-94.
SLA TT-66-10215

Sci-Chem
Aug 66

308,464

Quentin, G.
INFLUENCE OF INORGANIC CATIONS ON THE
SOLUBILITY OF SUCROSE IN MOLASSES. [1963]
11p. 8 refs.
Order from SLA \$1.60 63-16365

Trans. of Zucker (West Germany) 1954, v. 7,
p. 407-410.

DESCRIPTORS: *Sucrose, Solubility, Solvent action,
Ions, *Lithium, *Sodium, *Potassium, *Calcium,
Crystallization.

The influence of lithium, sodium, potassium, and
calcium on the solubility of sucrose in molasses was
investigated. The strong differences in the action of
the various substances found thereby suggest that the
main influence on the sucrose solubility must be
attributed to the inorganic cations and thus confirm the
(Food, TT, v. 10, no. 7) (over)

63-16365

1. Title: Molasses
1. Quentin, G.

Office of Technical Services

63-16363

Moebes, E. and Wieninger, L.
EFFECT OF EXCHANGE OF ALKALI IONS FOR
CALCIUM ON THE PROCESSING AND YIELD OF
SUGAR JUICES. [1963] 11p. (figs. omitted) 9 refs.
Order from SLA \$1.60 63-16363

Trans. of Zucker (West Germany) 1955, v. 8,
p. 129-134.
Another trans. is available from SLA mi\$2.40,
ph\$3.30 as 59-17638 [1959] 14p.

DESCRIPTORS: *Vegetables, *Carbohydrates, *Ion
exchange, Exchange reactions, Carbon, *Calcium,
Sodium, Ammonia, Processing, Viscosity,
Crystallization.

For abstract see Technical Translations 2: 654, 1959.

(Food, TT, v. 10, no. 7)

- I. Title: Molasses
- I. Moebes, E.
- II. Wieninger, L.

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Investigations into the Construction of a Seed-Bed
for Sugar Beet, by C. Halber.

GERMAN, per, Zucker, Vol VIII, 1955, pp 305-312.

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The effect of the Exchange of Alkali Ions for Calcium
on the Treatment and Yield of Sugar Juices, by E.
Moebs, L. Wieninger, 14 pp.

GERMAN, per, Zucker, Vol VIII, No 7, Apr 1956.
pp 129-134.

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Krüger, Werner.

FEED-WATER CONTROL BY CONDUCTIVITY
MEASUREMENTS. [1963] 12p. (figs. omitted).
Order from SLA \$1.60

63-16360

Trans. of Zucker (West Germany) 1956, v. 9,
p. 575-578.

DESCRIPTORS: *Feed water, Quantitative analysis,
*Electrical conductance, *Carbohydrates, Boilers,
Refineries, Corrosion inhibition, Boiler tubes.

It is shown that the feed-water control by conductivity
measurement is a safe process for controlling the
feeding of the boilers in the sugar industry.

(Metallurgy--Corrosion, TT, v. 10, no. 5)

63-16360

I. Krüger, W.

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THE INFLUENCE OF THE CATIONS ON THE SOLUBILITY OF SACCHAROSE AND THE VISCOSITY OF IMPURE BEET SUGAR SOLUTIONS. [1963] 22p.

(figs. omitted) 24 refs.

Order from SLA \$2.60

63-16362

Trans. of Zucker (West Germany) 1957, v. 10, p. 78-85.

DESCRIPTORS: *Carbohydrates, *Beets, Solubility, Viscosity, *Sucrose, Ions, Impurities, Magnesium, Calcium.

The solubility of the saccharose in impure sugar solutions is dependent upon the nature and concentration of the cations present in these solutions. The ions of the alkaline-earth metals magnesium and calcium have a strong solubility-reducing effect by binding the water present in the form of hydrates. A (Food, TT, v. 10, no. 7) (over)

63-16362

I. Moebes, E.

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A Continuous Centrifuge, by P. Nobel.

GERMAN, per, Zucker, Vol X, 1957, pp 99-101.

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Influence of Cations on the Solubility of
Saccharose in Molasses, and the Possibility of a
Technical Evaluation in Reference to the Under-
termined Influence of Solubility, by G. Quentin.
GERMAN, per, Zucker, 1957, pp 408-415.
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Investigation of Lifting Shares for Sugar Beet,
by Gohlich Hulst, Sochting.

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Agricultural Aspects Of the Use Of Precision Drills
With Sugar Beet. Part 1. by H. Ludecke and H.
Schafmayer.

GERMAN, per, Zucker, Vol XI, No 2, 1958, pp 44-49.

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Investigations On Lifting Tools For Sugar Beet
Part 2. by H. Gohlich and H.V. Hulst.

GERMAN, per, Zucker, Vol XI, No 7, 1958, pp 154-156.

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1. Schiebel, W.

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THE LIMITS OF ACCURACY IN THE ANALYSIS OF
RAW SUGAR BY POLARIZATION. [1963] [16]p.
Order from SLA \$1.60 63-16366

Trans. of Zucker (West Germany) 1958, v. 11, no. 8,
p. 182-187.

DESCRIPTORS: *Carbohydrates, *Polarographic
analysis, Polarization.

The examination of raw sugar through polarization
requires above average care and experience. The
results will be influenced by a number of factors
which are called natural errors occurring in the indi-
vidual steps of the investigation. It is very important
that the methods used by individual laboratories be
identical, in order to have differences of 0.1 or 0.2
of a degree of polarization appearing as little as
possible. A few suggestions are given. (Author)
(Chemistry--Analytical, TT, v. 10, no. 7)

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Thinning of Beets by Chemical Methods, by E.
Bornscheuer.

GERMAN, Der Zucker, Vol. 16, No. 8, 1963.

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Sci -

July 1967

334-629

Attempt at a Generic Analysis of Resistance and
Susceptibility to Diseases on the Example of
Tobacco, by G. Koelle.
GERMAN, per, Zuchter, Vol 34, No 4, 1964, pp 43-139
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Attempt At A Generic Analysis Of Resistance and
Susceptibility To Diseases On the Example of
Tobacco, by G. Koelle.

GERMAN, per, Zuchter, Vol 34, No 4, 1964, pp 139-
143.

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Schneider, Ferdinand.
CONTROL AND EVALUATION OF THE LEACHING
PROCESS. [1963] 6p. 2 refs.
Order from SLA \$1.10

63-16367

Trans. of Zucker-Beihfte (West Germany) 1950, no. 1,
p. 1-3.

DESCRIPTORS: Vegetables, *Carbohydrates, Water,
Pressure, Diffusion, Polarization, Control, Separation,
*Beets.

The extraction of sugar from sugar beets by means of
a continuous mechanical process was studied. This
process consisted of a combination of treatment with
hot water with partial pressing, and subsequent dif-
fusion. Calculation of the amounts of sugar and dry
matter remaining after leaching in the various steps of
the process, or of the amounts of sugar and dry matter
(Food, TT, v. 10, no. 9)
(over)

63-16367

1. Title: Leaching
1. Schneider, F.

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On the Development of Methods for Early Selection
in Apple Breeding, On Relationships Between Leaf
and Fruit Characters in the Apples, by E. L.
Loewel.

GERMAN, per, Zuchter 4, Sonderheft, 1957, pp 15-32
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The Development of the Beet Sugar Industry in the USSR,
1917-1957, by A. N. Shakin, 3 pp.

GERMAN, no per, Die Zuckererzeugung, No 2, Berlin, Nov
1957, pp 34, 35.

US JPRS/DC-L-645

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German Trade Unionists Visit Sugar Factories in
Czechoslovakia, by Rudolf Sempf, 5 pp.

GERMAN, no per, Die Zuckerzeugung, No 2, Berlin, Nov
1957, pp 35, 36.

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The Beet Sugar Industry in the Chinese People's
Republic, by Max Hrabowski, 6 pp.

GERMAN, no per, Die Zuckererzeugung, No 2, Berlin,
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The Sugar Industry in Rumania, by Heinz Melzig,
7 pp.

GERMAN, per, Die Zuckerzeugung, Vol II, No 5,
Berlin, May 1958, pp 126-129.

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On the Development of Methods for Early
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pp 15-32

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Improvement of Chocolate Through Ultrasonics,

GERMAN, per, Zucker u. Susswarenwirtschaft,
Vol X, 1957, PP 787-788.

ATS 59L32G

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How to Prepare Meringues. Course at the Central
Vocational School in Solingen, by K. R, 8 pp.

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Vol XII, 1959, pp 417-420.

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A New Process for the Continuous Manufacture of Chocolate and Coatings,
8 4 pp.

GERMAN, per, Zucker- und Süßwarenwirtschaft
Vol XIII, No 10, 1960, pp 487-488.

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Fincke, Albrecht.
THE USE OF "LIQUID SUGAR" IN THE USA. [1963]
13p. 7 refs.
Order from SLA \$1.60

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I. Fincke, A.

Trans. of Zucker- und Süßwarenwirtschaft (West
Germany) 1954, v. 7, p. 796-800.

DESCRIPTORS: *Carbohydrates, Sucrose, Liquids,
Storage, Transportation.

This is a summary about the manufacture, transporta-
tion, storage, and use of the liquid sugar in U. S. A.

(Food, TT, v. 10, no. 5)

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Flight Planning in the Case of Convergent Photography,
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GERMAN, per, Zue ~~ENK~~Flugplanung bei Konvergent-
Aufnahmen.

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Heterosis in Tobacco, by L. Rave, 21 pp.

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Observations on a Hybrid Between Alfalfa
(Medicago Media) and Yellow Clover (Medicago
Lupulina) and Its Progeny, by Otto Schrock.

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Solanum-Demissum-Hybrid "A6" as Test
Plant of Various Mosaic Viruses, by E.
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Investigations Into the alkaloid Com-
plexes of Yellow, Blue and White Lupins,
by P. Schwarze.
EUROPEAN, per, Zuechter, Vol 27, 1957,
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Contribution to the Question of the Spread
of Potato Virus X Through the Roots, by
R. Bartels.

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